

SOURCE CODE: UR/0288/66/000/002/0084/0097

ACC NR: AP7006034

GRABOVETSKIY G. V., SEMENOV V. V. AND PETROV E. L., Novosibirsk Institute of
Electrical Engineering (Novosibirskiy elektrotekhnicheskiy institut)

"Mathematical Analysis of the Rectifier-Type Frequency Converter"

Novosibirsk, Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR (News of the
Siberian Division of the Academy of Sciences SSSR), No 6, 1966, pp 84-97.

Abstract: The article deals with the rectifier-type frequency converter; this
is a device which finds increasing application in converting power-line frequency
to 500-1000 Hz. The system described here has a stiff external characteristic
and produces a nearly sinusoidal output voltage; it operates over a wide range of
loads and that includes no-load, which is impossible with other known systems,
as well as regeneration i.e. pumping energy back into the line. The analysis
begins with the no-load condition, whereby both the single-phase and the three-
phase versions are considered; the formulae are later modified to account for
the presence of a resistive and inductive load. Calculations are made by the
method of harmonic components and, thus, the distortion of the output waveform
is shown to be insignificant even at no-load; consequently, it is not necessary
to consider the higher harmonics in these calculations. In addition, the plate
current and the peak-inverse-voltage are determined, also the recovering time
of the rectifier; namely, the time it takes for the rectifier to resume control

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after the plate current has ceased to flow. The formulae established here can be useful in designing individual components of this converter circuit, whether the latter employs a switch or a commutator (thyratrons, thyristors). Orig. art. has: 5 figures and 40 formulas. [JPRS: 39,568]

TOPIC TAGS: frequency converter, electronic rectifier

SUB CODE: 09 / SUBM DATE: 01Jul65 / ORIG REF: 004

Card 2/2

GRABOVSKAYA, A.A.

Studying the biology of the pollen of ornamental plants.
Nauch. trudy LTA no.99:99-103 '62. (MIRA 17:1)

ISMAIL-ZADE, T.A.; AGAMIRZOYEV, R.A.; GERAYBEKOV, Ch.A.; GRABOVSKAYA,
G.P.; GASANOVA, K.D.

Magnetic characteristics of paleomagnetic zones of the productive
Atashkya formation. Dokl. AN Azerb. SSR 20 no.12:27-30 '64.
(MIRA 18:4)

1. Institut geologii AN AzerbSSR.

KOSSAYA, A.I.; GRABOVSKAYA, T.V.

Method of evaluating diagnoses made by first aid physicians.
Zdrav. Ros. Feder. 7 no.10:23-26 0'63 (MIRA 16:11)

1. Iz Kiyevskoy stantsii skoroy pomoshchi (glavnyy vrach
N.A.Lengauer).

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1.9600

S/032/61/027/001/023/037
B017/B054

AUTHORS: Vorobeykov, A. M. and Grabovetskiy, A. P.
TITLE: Machine for Testing the Fatigue of Clamped Specimens in
Pure Bending
PERIODICAL: Zavodskaya laboratoriya, 1961, Vol. 27, No. 1, p. 85

TEXT: The machine is schematically shown in a figure. The test specimen is held at one end by the clamps of a rotating spindle. The free end is subjected to a bending moment of the same magnitude as the reactive moment in the clamps, but with opposite sign. Under the action of these two moments, the specimen is subjected to pure bending. The machine is attached to the frame of a lathe, and permits a simultaneous testing of four specimens at $n = 2550$ rpm. There is 1 figure.

Card 1/1

GRABOVETSKIY, A.P., inzh.

Fatigue strength of chromium coated structural steel. Metalloved.
i term. obr. met. no.10:22-23 0 '62. (MIRA 15:10)
(Steel, Structural—Fatigue)

S/129/63/000/001/007/017
E073/E335

AUTHOR: Grahovetskiy, A.P., Engineer

TITLE: Corrosion-fatigue strength of chromium-coated steel

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov,
no. 1, 1963, 21 - 23

TEXT: 226 mm long specimens with a 60 mm long, 8 mm dia. gauge section of normalized steel (containing 0.51% C, 0.67% Mn, 0.3% Si and 0.013% S) were plated with a 20- μ thick layer of Cr under a tensile stress equalling 7% of the yield point of the material. The fatigue was tested under conditions of pure circular bending with a rotation speed of 2 550 r.p.m. for 10^7 cycles, using a 3% NaCl solution as a corrosive medium. The test results were negative; the fatigue strength of these specimens was even lower than for specimens chromium-plated without applying tensile stress. There are 3 figures.

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GRABOVETSKIY, A.P.

Fatigue strength of electroplated steel. Metalloved. i term.
obr. met. no.10:39-41 0 '63. (MIRA 16:10)

GRABOVETSKIY, A.P., kand.tekhn.nauk

Effect of hydrogen on steel brittleness in stressed state.
Vest.mashinostr. 45 no.11:61-62 N '65.

(MIRA 18:12)

L 0000-60 ENT(1)/ENT(2)/ENT(3)/T/ENT(1)/ENT(2)/ENT(3)/ETI
 ACC NR: AP6009262 LIP(c) (N) W/CD SOURCE CODE: UR/0122/65/000/011/0061/0062
 AUTHOR: Grabovetskiy, A. P. (Candidate of technical sciences) 35
 ORG: none B
 TITLE: The effect of hydrogen on the brittleness of steel in the stressed condition
 SOURCE: Vestnik mashinostroyeniya, no. 11, 1965, 61-62
 TOPIC TAGS: hydrogenation, metallography, metal brittleness, brittle failure, rupture test machine, deformation test machine, elongation test machine / RM-500 rupture test machine, K-2 deformation test machine, NG-1-2M elongation test machine
 ABSTRACT: An investigation was made of the effect of hydrogen on the brittleness of steel in the stressed condition. The brittleness criterion used in this study is the so-called static durability method for steel, which implies measurement of the time in minutes for which the specimen is in the stressed condition, commencing with the beginning of hydrogenation and ending with specimen failure. The stress conditions in this study consisted of two modes of deformation: elongation and twisting; the simultaneous action of both of these types of deformation is not included in this study. A brief description of the conduct of the experiments is given. Specimens were prepared from steel wire having an intermediate carbon content. Elongation tests were performed with the use of an NG-1-2M testing machine, twist deformations on a K-2 machine, and specimen rupture on an RM-500 machine. Hydrogenation of the
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specimens was performed electrolytically with the device shown schematically in Fig. 1,

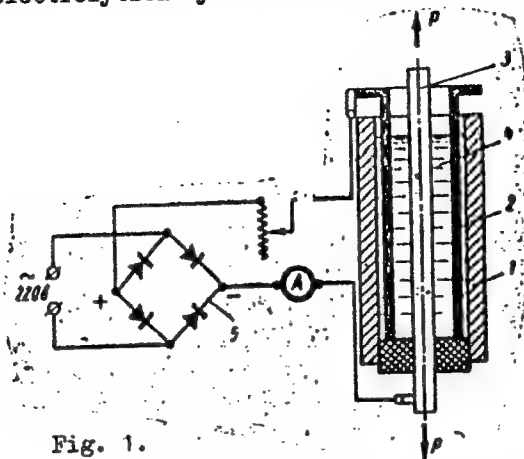


Fig. 1.

where 1 is an open glass vessel, the bottom of which is a resin stopper, 2 - a lead cylinder (anode) with a longitudinal aperture for visual readings, 3 - the specimen (cathode), 4 - electrolyte, and 5 - a selenium current rectifier. Plots are made of the variation of axial load with duration until failure, and the variation of angle of twist with duration. Certain recommendations for protecting metal surfaces from hydrogenation are given. Orig. art. has: 3 figures and 1 table.

Card 2/2

SUB CODE: 11/ SUBM DA 11

GRABOVETSKIY, K.I.; CHEBOTAREV, G.A., inzh.

A grounding device with a blocking arrangement. Elek.i tepl.
tiaga 6 no.12:8 D '62. (MIRA 16:2)

1. Nachal'nik Shevchenkovskogo uchastka energosnabzheniya (for Grabovetskiy). 2. Tekhnicheskiy otdel Shevchenkovskogo uchastka energosnabzheniya (for Chebotarev).

(Electric railroads--Wires and wiring)
(Electric railroads--Safety measures)

GRABOVETSKIY, V. P., CAND TECH SCI, ^{Utilization} "APPLICATION OF
EDDY CURRENTS FOR PURPOSES OF CONTROL." LENINGRAD, 1960.
(MIN OF HIGHER AND SEC SPEC ED RSFSR, LENINGRAD ELECTRO ^{real}
~~Eng~~ ^{Eng} INST IN V. I. UL'YANOV (LENIN)). (KL, 3-61, 214).

L 10174-63

HDS

ACCESSION NR: AP3001623

S/0030/63/000/005/0104/0104

AUTHOR: Grabovetskiy, V. P. (Candidate of technical sciences); Raykin, A. L. 47

TITLE: Seminar on reliability problems [Reliability Section of the Scientific Council on Cybernetics of the Presidium of the Academy of Sciences SSSR]

SOURCE: AN SSSR. Vestnik, no. 5, 1963, 104

TOPIC TAGS: reliability of systems

ABSTRACT: A seminar on reliability problems has been organized by the Sektsiya nadezhnosti Nauchnogo soveta po kibernetike (Reliability Section of the Scientific Council on Cybernetics) and is now headed by Academician N. G. Bruyevich. Representatives of various scientific research institutes, universities, and industrial establishments in Moscow, Leningrad, Kiev, and other large cities participate. General problems of reliability theory as well as the reliability of elements of engineering systems are studied. Two meetings which took place on 28 January and 25 February 1963 are described. At the first, dealing with problems of structural reliability, three reports

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ACCESSION NR: AP3001623

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were presented. A. M. Kamyshnyy investigated the possibility of using the properties of nonlinear volt-ampere characteristics of certain instruments for securing the self-switching-in effect in redundant schemes. The report of A. L. Raykin dealt with estimates of structural communication losses in systems of sequential gathering of information. The report by O. I. Bronshteyn was an evaluation of the probability of the reception of a remote-control message in cases when the equipment of the dispatch point fails and can be restored. The second meeting dealt with reliability problems of elements of electromagnetic devices and with the problem of increasing the reliability of electronic digital computers. From a study of a physical model of electric contacts, Corresponding member AN SSSR B. S. Sot'skov and Candidate of technical sciences I. Ye. Dekabrun determined the probability of the correct operation of such devices. The reliability of a coil of an electromagnetic mechanism was studied in the report of B. S. Sot'skov and Ye. S. Krivorotova; formulas for calculating the reliability of coils were derived. Yu. A. Torgov investigated the reliability of two synchronously operating electronic digital computers with an auxiliary device permitting comparison of the calculation results of computers after each step of program compilation.

ASSOCIATION: none

SUBMITTED: 00

DATE ADJ: 21Jun63

ENCL: 00

SUB CODE: 00

NO REF SOV: 000

OTHER: 000

Card 2/2

1 00000-5 ENT(1)/EAC(b)-2/ENA(h) Pm-4/Po-4/Pj-4/Tz-4/Pab/P1-4
AT5002482 S/2720/64/002/000/0121/0127

Author: Grabovetskiy, V. P.

TITLE: Reliability of redundant systems with redundant units taken
into account 25

SOURCE: Kibernetika - na sluzhbu kommunizmu v. 2, 1964. Teoriya nadezhnosti i teoriya massovogo obsluzhivaniya (Theory of reliability and theory of mass service), 121-127

TOPIC TAGS: redundant system reliability, hot redundancy, cold redundancy, failure free operation probability

ABSTRACT: The reliability of two-unit redundant systems with a finite number of redundant units is analyzed under the assumptions that the time of failure-free operation and the time necessary for detecting failure and for replacing the failed unit are random values distributed according to an exponential law. The cases of hot and cold redundancy are considered. In both cases, expressions are derived for the probability of the failure-free operation of such redundant

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ACCESSION NR: AT5002482

systems, taking the redundant units into account. In the case when $k = \theta < 0.02$, where θ is the mean down time and T the mean time of failure-free operation for one unit, approximate formulas for determining the reliability of such redundant systems are presented. The derived formulas can also be used for determining the number of redundant units needed to assure the required reliability of the redundant system. Graphs representing the dependence of the reliability of the redundant system on λt ($\lambda = \frac{1}{T}$), k , and n are plotted for the cases of hot and cold redundancy. The expediency of using hot or cold redundancy is analyzed. Orig. art. has: 4 figures and 12 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: NA

NO REF SOV: 000

OTHER: 001

ATD PRESS: 3166

Card 2/2

GRABOVETSKIY, YU.

OLEYNIKOV, S. (Rostov-na-Donu); GRABOVETSKIY, Yu. (Rostov-na-Donu).

Fire prevention campaign on collective farms. Pozh.delo 3
no.5:22 My '57. (MLRA 10:7)
(Fire prevention)

GRABOVETSKIY, Yu.; SHIMANOV, V.

Fire hazards of a gas burner. Pozh.delo 6 no.1:16 Ja '60.
(MIRA 13:5)

1. Starshiye мастера pozharno-izpyatel'noy stnatsii, Rostov-na-Donu.

(Gas appliances)

GRABOVETSKIY, Yu.; SHIMANOV, V.

Explosion-proof storage-battery lamp. Pozh.delo 7 no.6:11
Je '61. (MIRA 14:6)

1. Starshiye mastersa pozharno-ispytatel'noy stantsii, g. Rostov-
na-Donu.

(Petroleum industry—Fires and fire prevention)
(Safety lamp)

Grabovich, V.P.

AID P - 3959

Subject : USSR/Mining

Card 1/1 Pub. 78 - 4/27

Authors : Safiullin, M. N. and V. P. Grabovich

Title : Oil well drillings with sectional TS3-10" turbo-drills.

Periodical : Neft. khoz., v. 33, #12, 9-11, D 1955

Abstract : The author points out all the advantages of the new type of turbo-drill, the TS3-10", which can be operated with the previously used U8-3 pumps and the electric motor with 450-500 kw capacity. Tables.

Institution : None

Submitted : No date

GRABOVNIKOV, V.A.

Underground discharge of water from Lake Sevan. Trudy Lab.
gidrogeol. probl. 36:12-21 '61. (MIRA 14:11)
(Sevan Lake region--Hydrology)

GRABOVOY, I., mayor

For accurate control. Voen. vest. 43 no.6:53-54 Je '63.
(MIRA 16:6)
(Radioactive fallout)

GRABOVOY, I., mayor

What should be the composition of the KhRD (Chemical Reconnaissance
Patrol). Voen. vest. 42 no.11:37 N '62. (MIRA 16:10)

(Military reconnaissance) (Chemical warfare)

SUKHODOL, V.F.; GRABOVY, I.A.; TALANOV, B.I.; Prinimala uchastiye:
LYAKINA, T.V.

Content of nitrogenous substances in fusel oil. Fern. i spirt.
prom. 30 no.2:10-13 '64.

On the occasion of the 400th anniversary of book printing.
Ibid.:8-9 (MIRA 18:2)

1. Kiyevskiy tekhnologicheskij institut pishchevoy promyshlennosti
imeni Mikoyana.

GRABOVSKAYA, A. A.

28546

Nyekotoryye "yezubtaty Akklimatizatsii Dryevyesnykh I Kusta Anikobykh Porod
Lyesostyepnoy Opytnoy Stantsii)) Lyes Na Vorsklye((Uchyen, Zapiski (Lyeningr:
Gos. Un-Tim. Zhdanova.) Syeriya Biol Nauk, Byp 17, 1949, . 144-67
Grinfyelbd, E. K. K. Voprosuo Zakonnyernostyakh Raspryayelyeniya Nasyedryev-
yesnykh V Lyesu SM. 28324

SC: LETCFIS NO. 38

1. GRABOVSKAYA, A. A.

2. USSR (600)

4. Birch

7. Birch and Amur cork in forest plantings of the southern forest-steppe zone.
Les. khoz 5 no. 10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

COUNTRY :
 CATEGORY :
 SS. JOUR. : RZBiol., No. 19, 1958, No. 86966
 AUTHOR : Grabovskaya, A. A.
 INST. : Leningrad Academy of Forest Technology
 TITLE : Fifteen Years Experience with Introduction
 of Nut-Bearing Trees in Forested-Steppe
 Areas.
 ORIG. PUB. : Tr. Leningr. lesotekhn. akad., 1957, No 82,
 part 1, 11-15.
 ABSTRACT : Description of results of many years of
 work on introduction of nut-bearing plants at the school
 of experimental forestry "Les na Vorskle" (Belgorodskaya
 oblast'). Growing of walnuts (*Juglans regia* L.) from seeds
 of local origin has made it possible to obtain trees that
 sustain little frost injury. Black walnut (*J. nigra* L.)
 is subject to some frost damage while the tree is young,
 but becomes more resistant with increasing age. White
 walnut (*J. cinerea* L.) is entirely hardy. Manchurian
 walnut (*J. manshurica* Max.) is completely winter-hardy
 but is periodically damaged by drought. It can be grown
 extensively, as a forest crop, on sandy loams. Siebold's
 walnut (*J. Sieboldiana* Max.) is sufficiently resistant to
 HARD: 1/2

ISMAIL-ZADE, T.A.; AGAMIRZOYEV, R.A.; GERAYBEKOV, Ch.A.; GRABOVSKAYA,
G.P.; GASANOVA, K.D.; KARAYEV, E.M.; MAMEDOV, S.A.

Magnetic properties of a producing formation in Zigil'piri. Dekl.
AN AzerbSSR 20 no.10:45-49 '64. (MIRA 18:2)

1. Institut geologii AN AzerbSSR.

GRABOVSKAYA, K. S.

KRUPNIKOVA, A. M., LEIBINA, E. M., GRABOVSKAYA, K. S., LIVKINA, E. G.

Treatment of scarlet fever with aspergillin and gramicidin.
Vopr. pediat. 18:3, 1950. p. 38-41

1. Of the Department of Microbiology (Head—Docent N. N. Kosarev)
and of the Children's Infectious Diseases Clinic (Head—Prof.
Ye. Ye. Granat), Khabarovsk Medical Institute (Director — Docent
S. K. Nechepayev), Khabarovsk.

CLML 19, 5, Nov., 1950

GRABOVSKAYA, L.I.

Odessa period of V.V.Podvysotskii's activity. Sov.med. 17 no.12:
33-35 D '53. (MIRA 6:12)

1. Iz kafedry organizatsii sdavookhraneniya (zavednyushchiy -
professor I.L.Daylis) Odesskogo meditsinskogo instituta im.
N.I.Pirogova (direktor - professor I.Ya.Deynaka).
(Podvysotskii, Vladimir Valerianovich, 1857-)

GRABOVSKAYA, L. I.

Grabovskaya, L. I. -- "Development of Scientific Medical Theoretical Thought at Novorossiysk University (1865-1920)." Odessa State Medical Institute N. I. Pirogov, Odessa, 1955 (Dissertation for Degree of Doctor of Medical Sciences.)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

GRABOVSKAYA, L.I.

Professor S.M. Shchastnyi on the 15th anniversary of his death.
Zhur.mikrobiol.epid. i immun.29 no.3:130-133 Mr '58.

(MIRA 11:4)

1. Iz kafedry organizatsii zdravookhraneniya Odesskogo meditsinskogo
instituta imeni Pirogova.

(SHCHASTNYI, SERGEI MIKHAILOVICH, 1875-1943)

GRABOVSKAYA, L.I.

Odessa Dermatovenerological Society in the struggle for a
prophylactic trend. Vest.derm.i ven. 33 no.6:58-61 N-D '59.
(MIRA 13:12)

(ODESSA—VENEREAL DISEASES)

GRABOVSKAYA, Lidiya Ivanovna; ASTRAKHAN, Yevgeniy Davidovich; GINZBURG, A.
I., glavnyy red.; POLYAKOV, M.V., zam.glavnogo red.; KOLOSHINA, T.
V., red.izd-va; BYKOVA, V.V., tekhn.red.

[Biochemical and geobotanical studies in prospecting for rare-metal deposits.] Biogeokhimicheskie i geobotanicheskie issledovaniia pri poiskakh redkometal'nykh mestorozhdenii. Moskva, Gosgeoltekhizdat, 1963. 62 p. (Geologiya mestorozhdenii redkikh elementov, no.19). (MIRA 17:2)

BORYU, Yu.I., inzh.; GRABOVSKAYA, N.M., inzh.

Calculation of short-circuit impedances of autotransformers with control windings. Elektrichestvo no.6:59-64 '63. (MIRA 16:7)

1. Zaporozhskiy nauchno-issledovatel'skiy institut transformatorostroyeniya i vysokovol'tnoy apparatury.
(Electric transformers)

BRINBERG, S.L., GRABOVSKAYA, O.Z.

Significance of phosphorus for the biosynthesis of streptomycin
[with summary in English]. Mikrobiologiya 27 no.4:407-415 J1-Ag '58
(MIRA 11:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

(STREPTOMYCIN, metabolism

synthesis by Actinomyces species, requirement of
phosphorus (Rus))

(PHOSPHORUS, metabolism

requirement for streptomycin synthesis by Actinomyces
species (Rus))

(ACTINOMYCES, metabolism

phosphorus requirement for streptomycin synthesis (Rus))

GRABOVSKAYA, O. Z.

AUTHOR: Alferov, V. V. 001/20-22-48/60

TITLE: Continuous Fermentation and Breeding of Microorganisms
(Nepreryvnoye brozheniye i vyrashchivaniye mikroorganizmov)

PERIODICAL: Vestnik Akademii nauk SSSR, 1959, Nr 2, pp 106-108 (USSR)

ABSTRACT: The Institut mikrobiologii Akademii nauk SSSR (Microbiological Institute of the Academy of Sciences, USSR) convened a conference from October 13 to 15, 1958 which dealt with the investigation of some working results in this field as well as with the discussion of a further intensification of the productions basing on the activity of microorganisms. The conference was attended by more than 200 representatives of academic and scientific branch research institutes, enterprises, sovkhoses, universities, as well as foreign scientists. The following lectures were heard:
N. D. Iyerasimovskiy spoke of the theoretical foundation of the method of continuous microbe breeding and its prospects of application in the microbiological industry.
Ye. A. Plovak, Vsesoyuznyy nauchno-issledovatel'skiy institut khlebopekarnoy promyshlennosti (All-Union Scientific Research Institute of Bread-Production Industry) dealt with the problem of the breeding of yeast in solutions containing molasses.
P. M. Fisher, K. P. Andrayan, V. A. Dzenkova, M. Ya. Kaluzhnyy and A. P. Kryukhova, Vsesoyuznyy nauchno-issledovatel'skiy institut gidrolizov i sulfita-spirtovoy promyshlennosti (All-Union Scientific Research Institute for the Industry of Hydrolysis and Sulfite Spirits) evaluated the theoretical and practical work in the field of continuous fermentation of wood hydrolysates and sulfite liquor as well as their utilization for obtaining fodder yeast.
Y. L. Mamsova, Krasnoyarskiy gidroliznyy zavod (Krasnoyarsk Hydrolysis Plant) said that the introduction and completion of the continuous process of yeast breeding made it possible to increase the output of yeast factories by ten times.
V. L. Yamschenko, A. L. Malchenko, Vsesoyuznyy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti (All-Union Scientific Research Institute of the Spirit, Liquor and Brandy Industry), V. M. Makhmurovich, Dzhukovskaya nauchno-issledovatel'skaya laboratoriya (Dukhovnikova Scientific Research Laboratory) reported on the experiment of applying the method of continuous fermentation

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Continuous Fermentation and Breeding of Microorganisms NOV/30-59-2-AR/60

of the starchy raw material and syrup in the alcohol and acetone-butanol industry.

S. A. Konovalev, All-Union Scientific Research Institute of the Alcohol, Liqueur and Brandy Industry reported on the problem of antiseptics in fighting infection due to fermenta.

L. Yu. Medvedskaya, Institut mikrobiologii Akademii nauk USSR (Microbiological Institute of the AS USSR) reported on the investigation of the morphological and physiological properties of yeast.

A. D. Kozalanka, Andrushevskiy spirtovoy zavod (Andrushevka Distillery), M. Ia. Sarchenko, Malo-Viskovskiy spirtovoy zavod (Malo-Viskovskiy Alcohol Distillery), M. A. Makarova, Omslenskiy Sovnarkhoz (Omslensk Sovnarkhoz) reported on some working results obtained by distilleries in the syrup fermentation by using the method of continuous flow.

M. S. Loytsevskaya, Leningradskiy universitet (Leningrad University) characterized the correlation of reproduction processes and biochemical activity of acetic acid bacteria in the high-speed production of vinegar.

M. M. Heronova, Microbiological Institute of the AS USSR spoke of the possibility of obtaining vitamin B₁₂ by continuous breeding of propionic acid bacteria (propionovokislitelnye bakterii). S. L. Brinberg, O. I. Grabovskaya, Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov (All-Union Scientific Research Institute of Antibiotics) reported on the application of this method in the production of penicillin.

V. Ya. Tyankina, All-Union Scientific Research Institute of the Spirit, Liqueur, and Brandy Industry showed that the method of semi-continuous breeding of the fungus *Aspergillus niger* accelerates fermentation. S. V. Perfil'ev, Leningrad University reported on the results of investigations of the natural microflora by the method of capillary microscopy which he had developed.

V. A. Kamigun, Kiev University demonstrated his new batcher for continuous breeding of microorganisms in laboratory practice.

V. Vintik and Z. Radica (Czechoslovakia) expressed their opinions on the methods of continuous breeding of microorganisms.

On this Conference it was pointed to the necessity of organizing the industrial production of cultures for continuous fermentation.

Card 4/4

GRABOVSKAYA, O.Z.

Culture medium with corn extract for *Actinomyces streptomycini*
(strain IS-1). Antibiotiki 4 no.4:17-21 J1-Ag '59.

(MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ACTINOMYCES culture)

BRINBERG, S.L.; GRABOVSKAYA, O.Z.

Continuous cultivation of *Penicillium chrysogenum* in penicillin biosynthesis. Med.prom. 13 no.9:3-9 S '59. (MIRA 13:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(PENICILLIN)

SURIKOVA, Ye.I.; GRABOVSKAYA, O.Z.

Proteolytic activity of *Actinomyces streptomycini* Kras. and its relation to the form of nitrogen in the culture medium. *Mikrobiologia* 28 no.5:703-109 S-O '59. (MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.

(ACTINOMYCES culture)
(PROTEASES chem.)

BRINBERG, S.L.; SURIKOVA, Ye.I.; SEVERIN, V.A.; GRABOVSKAYA, O.Z.
GRINYUK, T.I.

Comparative physiological study of strains of Actinomyces
streptomycini in connection with the biosynthesis of strepto-
mycin. Trudy Inst. mikrobiol. no. 6:212-224 '59. (MIRA 13:10)
(ACTINOMYCES STREPTOMYCINI)

GRABOVSKAYA, O.Z.

Effect of different fractions of soybean flour on streptomycin biosynthesis and growth of the culture of strain LS-1 of *Actinomyces streptomycini*. Dokl. AN SSSR 133 no.1:218-220 J1 '60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov. Predstavleno akademikom V.M. Shaposhnikovym.

(SOYBEAN FLOUR)

(BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

(STREPTOMYCIN)

BRINBERG, S.L.; GRABOVSKAYA, O.Z.

Primary physiological studies on *Str. spheroides* in connection
with novobiocin biosynthesis. Antibiotiki 6 no.3:203-206 Mr
'61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(NOVOBIOCIN) (ACTINOMYCES)

GRABOVSKAYA, O.Z.; LEVITOV, M.N.

Study of some physiological peculiarities of Act. fradiae 129.
Antibiotiki 8 no.8:705-712 Ag '63, (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

MESHKOV, A.N.; GRABOVSKAYA, O.Z.; LEVITOV, M.M.

Effect of phosphorus on the development and metabolism of *Actinomyces*
fradiae 129. *Mikrobiologiya* 34 no.4:611-616 J1-Ag '65.

(MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

KUZNETS, M.M., prof. [deceased]; BOGDANOVICH, S.N., dotsent; LEVKOVSKIY, N.M.,
kand. med. nauk; SEMENOVA, V.N.; GLUKHEN'KIY, B.T.; YUKI, M.M.; OSADCHIY,
Ye.D.; BARABASH, M.Ye.; VIL'CHINSKIY, S.P.; VITER, I.S.; VOROBETS, I.F.;
GEAROVSKAYA, R.A.; RAKHMATULLINA, M.G.; SALOVA, G.V.

Treatment of lupus eruthermatosus with phthivazid. Vrach. delo no. 4:
373-378 Ap '59. (MIRA 12:7)

1. Kiyevskiy meditsinskiy institut.
(LUPUS)(ISONICOTINIC ACID)

GRABOVSKAYA, R.A.

Aerichine in the treatment of psoriasis. Vrach.delo no.11:129-
130 N '62. (MIRA 16:2)

1. Dermatologicheskoye otdeleniye (zav. - dotsent S.N. Bogdanovich) Kiyevskoy gorodskoy bol'nitsy imeni Otktyabr'skoy revolyutsii.

(QUINAGRINE) (PSORIASIS)

GRABOVSKAYA, R.G. [Hrabovs'ka, R.H.]

Quasianalytic solutions for one class of nonlinear differential equations. Pratsi Od. un. zbir. mol. vchen. un. 148 no.3:89-108 '58 (MIRA 13:3)

1. Nauchnyy rukovoditel' - prof. M.I. Gavrilov [M.I.Havrylov].
(Differential equations)

GRABOVSKAYA, R. G., Cand. Phys-Math Sci -- "On quasi-analytic solutions ~~of~~ a single ~~case~~ of non-linear differential equations of the first ~~order~~." Kiev, 1961. Joint Acad Council of Insts of Math, Phys, and Matallophys Acad Sci UkSSR) (KL, 8-61, 226)

- 14 -

S/044/62/000/004/020/093
C111/C444

AUTHOR: Grabovskaya, R. G.

TITLE: On the extension of the class of ordinary differential equations of first order with quasianalytic solutions

PERIODICAL: Referativnyy zhurnal, Matematika, no. 4, 1962, 31, abstract 4B141. (Nauchn. yezhegodnik. Odessk. un-t. Fiz.-matem. fak. i N. -i. in-t fiz., no.2, Odessa, 1961, 53 - 56)

TEXT: Considered is the differential equation

$$\omega' = \frac{P_n(\omega, z)\omega^n + \dots + P_1(\omega, z)\omega + zP_0(\omega, z)}{z^2[Q_0(\omega, z) + Q_1(\omega, z)\omega + \dots + Q_k(\omega, z)\omega^k]}, \quad (1)$$

where $P_i(\omega, z)$ and $Q_i(\omega, z)$ ($i = 0, 1, \dots, n$; $i = 0, 1, \dots, k$) are analytic with respect to ω and z , regular for $0 \leq |z| \leq r$ and $0 \leq |\omega| \leq \rho$, $P_0(0, 0) \neq 0$, $P_1(0, 0) \neq 0$, $Q_0(0, 0) \neq 0$. Let L be a curve which nowhere intersects with itself in the complex z -plane, and there hold on it:

Card 1/4

On the extension of the class...

S/044/62/000/004/020/099
C111/C444

$z = x(t) + iy(t), \quad t \geq 0;$

$x(t) = t[l_1 + \varphi_1(t)], \quad y(t) = t[l_2 + \varphi_2(t)]; \quad (2)$

$l_1^2 + l_2^2 = 1; \quad l_1, l_2 = \text{const.}$

where $\varphi_1(t)$ and $\varphi_2(t)$ for $t \in [0, A]$ possess continuous first derivatives (A is a positive number so large that for $t \in [0, A]$ the condition $0 \leq |z(t)| \leq r$ is satisfied). There denotes

$$\frac{a_1^0}{b_0^0} = \frac{p_1(0, 0)}{q_0(0, 0)} = p + is.$$

Without a proof the following results are formulated:

1.) If one searches the solution of (1) formally as a series

$$\omega = \sum_{m=1}^{\infty} c_m z^m, \quad (3)$$

then the coefficients $c_m, m \geq 1$ can actually and thereby uniquely
Card 2/4

On the extension of the class...
be determined.

S/044/62/000/004/020/099
C111/C444

2.) Let $\lim_{t \rightarrow 0} \varphi_1(t) = 0, \lim_{t \rightarrow 0} \varphi_2(t) = 0.$ (4)

a) For sufficiently small $t, 0 < t \leq t_1 < A$, there exists on the curve L_1 which satisfies the condition $p_1 + s_1 > 0$, an infinite set of solutions $\omega_L^{(0)}(z)$ of (1) which for $0 < t \leq t_1$ are regular on L , and asymptotically representable by (3). Besides for each function $\omega_L^{(0)}(z)$, corresponding to the given curve L , one can give a circular sector C_L with the center in $z = 0$ and the radius $\eta > 0$ such that $\omega_L^{(0)}(z)$ is regular in the sector and asymptotically representable by the series (3), where C_L encloses a certain arc of L which corresponds to the variation of t in the interval $[0, t_0]$, where $0 < t_0 \leq t_1$.

b) For sufficiently small $t, 0 < t \leq t_1$, there exists on L_1 which
Card 3/4

S/044/62/000/004/020/099
C111/C444

On the extension of the class...

satisfies the condition $pl_1 + sl_2 < 0$, one and only one solution $\omega_L^{(0)}(z)$ of (1) which on L is regular for $0 < t \leq t_1$ and asymptotically representable by (3). Besides one can give a circular sector D with the center in $z = 0$, radius $r > 0$ and a central angle $< \pi$ such that the function $\omega_L^{(0)}(z)$ is regular inside of the sector and asymptotically representable by (3), where D encloses a certain arc of L which corresponds to the variation of t in the interval $(0, t_0)$, where $0 < t_0 \leq t_1$. ✓

3.) If (3) is convergent, then there exists one and only one solution of (1) which is regular in the neighborhood of $z = 0$.

[Abstracter's note: Complete translation.]

Card 4/4

DUDKO, O.M., kand.med.nauk; GRABOVSKAYA, T.V. [Hrabovs'ka, T.V.]

Characteristics of the method of studying the incidence of rheumatic fever in children. Ped., akush. i gin. 23 no.4:21-24 '61.
(MIRA 17:1)

1. Kafedra organizatsii zdravookhraneniya (zav. - dotsent I.P.Pigida [Pihida, I.P.]) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta im. Bogomol'tsa (direktor - dotsent V.D.Bratus').

GRABOVSKAYA, T.V.

Organization of first aid in cardiovascular diseases. Vrach.
delo no.2;121-124 F '62. (MIRA 15:3)

1. Kafedra organizatsii zdravookhraneniya Kiyevskogo meditsinskogo instituta (zav. - dotsent I.P. Pigida).
(FIRST AID IN ILLNESS AND INJURY)
(CARDIOVASCULAR SYSTEM—DISEASES)

GRABOVSKAYA, V.P. kanl. med. nauk

Vestibulocerebellar syndrome in children with hymenocleptasis.
Sov. med. 28 no.8:123-126 Ag '65. (MIRA 18:9)

1. Otdel detskoy psikhonevrologii (nauchnyy rukovoditel' - prof.
L.B.Litvak, konsul'tant - prof. Ye.S.Shul'man) Ukrainskogo nauchno-
issledovatel'skogo psikhonevrologicheskogo instituta, Khar'kov.

VINNIK, M.I.; RYABOVA, R.S.; GRABOVSKAYA, Zh.Ye.; KOSLOV, Kh.; KYUBAR, I.

Kinetics and mechanism of reactions in concentrated strong acid
media. Part 6. Zhur.fiz.khim. 37 no.1:94-99 Ja '63.
(MIRA 17:3)

1. Institut khimicheskoy fiziki AN SSSR.

BANKA. Marian, mgr inz.; GRABINSKI, Kazimierz, inz.

Methane hazard control by air ducts in mining heading
works in the new mines of the Rybnik Coal Basin. Wiadom
gorn 15 no.12:387-392 D '64.

KREMR, Milan; GRABOVSKI, Vatslav [Grabovsky, V.]

New method developed in Czechoslovakia for tanning stiff leather without the use of vegetable tanning agents. Kozh.-obuv.prom. 5 no.3:38-39
Mr '63. (MIRA 16:3)

1. Nauchno-issledovatel'skiy institut kozhevenno-obuvnoy promyshlennosti
Checoslovatskoy Sotsialisticheskoy Respubliki.
(Czechoslovakia--Tanning)

⁷
VPolarography of hydroxylamine. Z. R. Grabowski and
 S. I. Zhdanov (Inst. Phys. Chem., Acad. Sci., Warsaw,
 Poland, and Inst. Phys. Chem., Acad. Sci., U.S.S.R.,
 Moscow). *Zh. Fiz. Khim.* 31, 1162-5 (1957).—An at-
 tempt was made to explain the changes which were observed
 (C.A. 50, 698g) in the polarization curves of HCl in a LaCl₃
 background upon the addition of increasing amts. of NH₂OH.
 In unbuffered solns. the first wave corresponds to the re-
 action $\text{NH}_2\text{OH}^+ + 2e + 2\text{H}^+ \rightarrow \text{NH}_4^+ + \text{H}_2\text{O}$ and the
 second corresponds to the reduction $\text{NH}_2\text{OH} + 2e +$
 $3\text{H}^+ \rightarrow \text{NH}_4^+ + \text{H}_2\text{O}$. The first reaction takes place at
 more pos. potentials. Equations were derived for calcg
 current strength, and a good agreement was obtained be-
 tween calcd and exptl values.

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GRABOVSKIY, A.

Fifty years of the Irkutsk Flour Mill. Muk.-elev.prom 27 no.12:4
D '61. (MIRA 15:2)

1. Glavnyy inzhener Irkutskoy mel'nitsy No.6.
(Irkutsk—Flour mills)

GRABOVSKIY, A. M.

"Motion of Liquid in Perforated Pipes During Distribution for Consumption."
Thesis for degree of Cand. Technical Sci. Sub 26 Jun 50, Academy of Municipal
Economy imeni K. D. Pamfilov

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and
Engineering in Moscow in 1950. From Vechernyaya Moskva. Jan-Dec 1950.

GRABOVSKIY, A.M.; DUNCHEVSKIY, G.M.; PASOV, M.S.; BABICHENKO, A.S.;
RASHIN, S.Ya.

Mechanization of the process of degreasing and washing of natural
bristles. Kosh.-obuv. prom. no.3:32-35 Mr '59.

(Bristles--Cleaning) (Washing machines) (MIRA 12:6)

GRABOVSKIY, A.M., inzh. (Odessa); KOZAK, A.M., inzh. (Odessa)

Establishing optimum operating conditions without cavitation
of centrifugal pumps. Vod.i san.tekh no.3:3-5 Mr '62.
(MIRA 15:8)
(Centrifugal pumps)

KOSTENKO, G.N., kand. tekhn. nauk; GRABOVSKIY, A.M., kand. tekhn. nauk

Use of the international system of units in heat engineering
and hydraulic calculations. Teploenergetika 10 no.11:90-93
N '63. (MIRA 17:1)

GRABOVSKIY, Aleksandr Markovich, kand. tekhn. nauk; KOSTENKO,
Georgiy Nikolayevich, prof., kand. tekhn. nauk;
CHEBOTAREV, V.A., kand. tekhn. nauk, retsenzent;

[Fundamentals of the use of the units of the International
System of Units in thermal and hydraulic calculations] Os-
novy primeneniia edinits SI v teplovykh i gidravlicheskiikh
raschetakh. Kiev, Tekhnika, 1965. 105 p.

(MIRA 18:3)

GRABOVSKIY, A.N., mayor meditsinskoy sluzhby

Casualties of closed intestinal lesions. Sbor.nauch.trud.Kiev.
okruzh.voen.gosp. no.4:118-120 '62. (MIRA 16:5)
(INTESTINES---WOUNDS AND INJURIES)

GRAECVSKIY, A. V.

Grabovskiy, A. V. - "Fresh industrial water requirements in the paper-pulp industry," Materialy Tsentr. nauch.-issled. in-ta bumazhnoy prom-sti, Issue 37, 1948, p. 275-96

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

GRABOVSKIY, A.V.

24956 Grabovskiy, A.V. Zadachi Proizvodstva Gazetnoy Bumagi. Bumazh. Prom-st'
1949, No 3, S 16-18

So: Letopis' No 33 1949

RADKEVICH, P.YE., GRABOVSKIY, A.V.

Silver Fox

Dosage for silver foxes of suboccipitally injected urotropine. Kar. i zver., 5,
No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified

GRABOVSKIY, A.V.

Bearable and toxic doses of sodium bromide for silver-black foxes. P. B. Ruskevich and A. V. Grabovskii. *Korakulyaditsy i Zverovodstvo* 1953, No. 6: 54-5; *Referat. Khim. Znat., Khim.* 1951, No. 3:162. Suboccipital injection of 0.5 g. NaBr was toxic for the silver-black foxes of 4.5-6 kg. body wt. However, injections of 0.1-0.2 and 0.01-0.05 g. NaBr showed no such toxic effects. Therefore, these amts. of NaBr can be used for therapeutic purposes.

E. Wierbicki

GRABOVSKIY A.V.

USSR / Diseases of Farm Animals. Arachno-Antonoses

R

Abs Jour : Ref Zhur - Biol., No 22, 1958, No 101391

Authors : Grabovskiy, A. V.; Dubnitskiy, A. A.

Inst : Not given

Title : Experimental Elimination of Ear Itch (Otodectosis) in Ordinary and Arctic Foxes.

Orig Pub : Krolikovodstvo i zverovodstvo, 1958, No. 1, 21.

Abstract : No abstract.

Card 1/1

COUNTRY : USSR
CATEGORY : Diseases of Farm Animals. Diseases Caused by Helminths

APPROVED FOR RELEASE: 03/13/2001 1959 No 26016 CIA-RDP86-00513R000516510005-8

AUTHOR : Grabovskiy, A. V.

INST. : -

TITLE : An Experiment in Dehelminthization of Arctic Foxes

ORIG. PUB. : Krolikovodstvo i zverovodstvo, 1958, No 5, 31

ABSTRACT : A good anthelmintic effectiveness of arecoline hydrobromide against the broad tapeworm, Tokocarae, and Tokascarides in Arctic foxes is reported. The preparation was introduced in the form of a 2% solution in a dose of 2 ml., which equals about 10 mg/kg.

CARD:

1/1

GRABOVSKIY, B. S., PERVOMAISKIY, G. S. and SHUSTROV, A. K.

"Repellents and Ways of Using them to Control Epidemics."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

(Leningrad)

OSIPYAN, V. T.; GRABOVSKIY, B. S.; KAZHDAN, V. B.; DUNAYEVA, I. D.

Method of laboratory selection of repellent preparations and
evaluation of their activity in relation to fleas. Med. paraz.
i paraz. bol. no.6:734-737 '61. (MIRA 15:6)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni S. M.
Kirova.

(INSECT BAITs AND REPELLENTS) (FLRAS)

OSIPYAN, V.T.; STEPANOV, M.K.; GRABOVSKIY, B.S.; SMIRNOV, K.K.; KAZHDAN,
V.B.; MASLIY, L.K.; DUNAYEVA, I.D.

Comparative effectiveness of hexamethylenbenzamide and acetyl-
tetrahydroquinoline as protective agents against fleas in humans.
Med. paraz. i paraz. bol. 32 no.5:551-553 S-O'63 (MIRA 16:12) .

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni S.M.
Kirova.

GRABOVSKIY, B.S.; KAZHDAN, V.B.

Concerning A.A. Potapov's article "On the method of testing
new repellents." Med. paraz. i paraz. bol. 34 no. 5:604-606
S-0 '65 (MIRA 1961)

1. Voenno-meditsinskaya ordena Lenina akademiya imeni Kirova,
Leningrad. Submitted April 27, 1965.

BEZUGLOV, I.Ye.; KURDYUMOV, V.N., inzh.; V rabote prinimali uchastiye:
 GABRILENKO, I.V.; GRABOVSKIY, I.I.; NESHCHADIM, A.G.; BELOBORODOV,
 V.V.; VISHNEPOL'SKAYA, F.A.; MATSUK, Yu.P.; GAYTSKHOKI, N.I.;
 USACHEV, A.S.; ABKINA, N.N.; RUMYANTSEVA, A.G.; KOSHELEV, A.P.;
 GRIGOR'YEV, F.L.; LUKASHEVICH, A.M.; STYAZHKINA, A.G.; MIKHAYLOVICH,
 A.N.; YEDEMSKIY, P.M.; MASLOV, P.V.; KUDRYASHEVA, Z.P.; PROSMUSHKIN,
 R.M.; SHTAL'BERG, V.A.; BOYTSOV, N.I.

Operational experience with a newly introduced oil-extraction line
 equipped with the DS-70 belt-conveyer extractor. Masl.-zhir.prom.
 26 no.3:29-31 Mr '60. (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for
 Bezuglov, Gabrilenko, Grabovskiy, Neshchadim, Beloborodov,
 Vishnepol'skaya, Matsuk and Gaytskhoki). 2. Leningradskiy
 zhirovoy kombinat (for Kurdyumov, Usachev, Abkina, Rumyantseva,
 Koshelev, Grigor'yev, Lukashevich, Styazhkina, Mikhaylovich,
 Yedemskiy, Maslov, Kudryasheva, Prosmushkin). 3. Leningradskoye
 otdeleniye tresta "Prodmontazh" (for Shtal'berg and Boytsov).
 (Leningrad--oils and fats)
 (Extraction apparatus)

AZROVA, TS.S.; ARKHIPOV, A.P.; VINOGRADOV, A.V.; GRABOVSKIY, I.V.;
GRISHINA, R.I.; DMITRIYEV, P.D.; DUBINSKIY, Ye.L.; ZABRODIN,
B.V.; KOLOTIY, M.V.; KRASNOV, B.S.; KURDYUKOVA, N.V.; L'VOVA,
Yu.M.; OBUKHOVA, A.V.; FOMIN, V.G.; MEDVEDEVA, M.A., tekhn.
red.

[Album of drawings of TE3, TE7, TE2, TE1, TEM1, and TU2
diesel locomotives; electric apparatus] Al'bom chertezhei
teplovozov TE3, TE7, TE2, TE1, TEM1 i TU2; elektricheskie
apparaty. Moskva, Transzheldorizdat. Vol.2. 1963. 394p
(MIRA 16:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye lokomotivnogo
khozyaystva.

(Diesel locomotives--Electric equipment)

GRABOVSKIY, L.K., inzh.; BASHILOV, G.N., inzh.; SOKOLOVSKIY, O.P., inzh.;
KRASNOSEL'SKIKH, S.N., inzh.; ANTONOV, P.A.; BYKOV, V.A., inzh.;
DANILOV, G.G., inzh.; GEL'FENBEYN, Ye.Yu., inzh.; PILIP, M.M.,
inzh.; MAKAROV, B.V., inzh.; RAGINSKIY, D.M., inzh.

Equipment of a working line of hot rolling mills. Sbor. st.
NIITIAZHMASHa Uralmashzavoda no.6:70-96 '65.

(MIRA 18:11)

GRABOVSKIY, M., преподаvatel'

Improve the skill of automobile drivers. Avt.transp. 37 no.3:45
Mr '59. (MIRA 12:4)

1. Kiyevskiy uchebnyy kombinat.
(Automobile drivers)

GRABOVSKIY, Mikhail Aleksandrovich, dots.; MLODZEYEVSKIY, Anatoliy
Boleslavovich, prof.; TELESNIN, Roman Vladimirovich, prof.;
SHASKOL'SKAYA, Marianna Petrovna, dots.; YAKOVLEV, Ivan
Alekseyevich, prof.; IVERONOVA, V.I., red.; CHEBOTAREVA,
A.V., red.

[Lecture demonstrations in physics] Lektsionnye demonstra-
tsii po fizike. Moskva, Nauka, 1965. 572 p.

(MIRA 18:9)

1. Institut stali i splavov. Moskva (for Shaskol'skaya).

1ST AND 2ND GROUPS										3RD AND 4TH GROUPS									
PROCESSES AND PROPERTIES INDEX																			
<p><i>BC</i></p> <p><i>B-I-5</i></p> <p>Magnetic study of ferromagnetic powders. M. A. Gerasimov (Soviet. Lab., 1966, 6, 186—191).— Methods of determining magnetic properties are de- scribed. R. T.</p>																			
AER-114 METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND GROUPS										3RD AND 4TH GROUPS									

1ST AND 2ND CODES										3RD AND 4TH CODES									
PROCESSES AND PROPERTIES INDEX																			
BC										B-I-5									
<p>Metallurgical analysis (of steel). N. S. Kharin and N. A. Galkovskiy. (Novel. Feb. 1966, 8: 222-223). The mechanical properties of steel are evaluated on the basis of the composition of the higher elements obtained in synthesis. N. S.</p>																			
<p>ASS-15A METALLURGICAL LITERATURE CLASSIFICATION</p>																			
1ST AND 2ND CODES										3RD AND 4TH CODES									
1ST AND 2ND CODES										3RD AND 4TH CODES									

1ST AND 2ND ORDERS		PROCESSES AND PROPERTIES INDEX	3RD AND 4TH ORDERS
		1	
<p>Investigation of the Curves of Magnetisation of Nickel Subjected to a Tensile Load at Low Temperatures. M. Grabovskiy (Zhur. Eksper. i Teoret. Fiziki (J. Exper. Theoret. Physics), 1939 9, (2), 180-185).- (In Russian.) The magnetisation curves were obtained for nickel subjected to tensile loads of 7,11, 14.2 and 17.35 kg./mm.² at room temperature and at the temperatures of liquid oxygen and liquid nitrogen. A break between the curvilinear and straight-line portions of the magnetisation curves was observed. The curvilinear portion of the curve corresponds to the inversion process, while the straight-line portion corresponds to the process of rotation. - N.A.</p>			
<p>ASB-354 METALLURGICAL LITERATURE CLASSIFICATION</p>			
127000 92		127000 MAY 1971	127000 MAY 1971

PA 36T95

GRABOVSKIY, M. A.

USSR/Physics
Magnetism
Magnetization

Sep/Oct 1947

"Decay of Residual Magnetism," M. A. Grabovskiy, Scientific Research Institute of Physics, Moscow State University, 3 pp

"Izv Ak Nauk, Ser Fizich" Vol XI, No 5

Article records the results obtained in experiments conducted in 1941 at the Magnetic Laboratory of the Moscow State University. G. M. Lyakhov was a fellow collaborator in these experiments. Author discusses the conditions surrounding the experiment and the sequence in which it was carried out. Briefly describes the results of the experiments and the conclusions which were reached.

IC

36T95

FA 36T94

USSR/Physics
Hysteresis, Magnetic
Nickel

Sep/Oct 1947

"Study of the Hysteresis Loop of Distorted Nickel at Low Temperatures," M. A. Grabovskiy, Scientific Research Institute of Physics, Moscow State University, 6 pp

"Izv Ak Nauk, Ser Fizich" Vol XI, No 5

As a result of the experiments the author was able to draw several conclusions. The magnetization curves of distorted nickel samples varied proportionally with an increase of the anisotropic constant. Also makes reference to an article submitted by N. I. Bryukhator at

IC

USSR/Physics (Contd)

36T94

Sep/Oct 1947

a Physical Conference and which contained the same conclusions as those obtained by Grabovskiy. He noticed that a sharp cooling of the distorted nickel sample has a very great effect on the character of the magnetogram.

IC

36T94

1ST AND 2ND CODES																										3RD AND 4TH CODES																									
PROCESSES AND PROPERTIES INDEX																																																			
<p>Electrodynamometer. (In Russian.) M. A. Grabovskii, Factory Laboratory (U.S.S.R.), v. 13, June 1947, p. 702-707.</p> <p>Describes a new apparatus for rapid determination of the Curie point of ferromagnetic materials and gives typical results of its use in comparison with those obtained by the usual method. Accuracy is 2-3% and time required, 30-45 sec.</p>																																																			
<p>34-34.4 METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

GRABOVSKII, M. A.

10192* Investigation of the Hysteresis Loop of Deformed Nickel at Low Temperatures. (Russian.) M. A. Grabovskii. "Uchenye Zapiski, Vypusk 134. Fizika, Kniga Platala" (Scientific Records, Vol. 134. Physics, Vol. 5), Lomonosov's Moscow State University, 1949, p. 31-53.

An extensive study was made of the above. The Ni was deformed by tension, torsion, and bending. Magnetic properties were determined with respect to extent of deformation and to testing temperature. Test data are charted. 35 ref.

18193* The Equivalent Action of a Circular Magnetic Field and the Drawing Load on the Longitudinal Magnetization of Nickel Wire. (Russian.) M. A. Grahovskii and G. M. Liakov. "Uchenye Zapiski Vpusk 134. Fizika. Kniga Plataia" (Scientific Records, Vol. 134. Physics, Vol. 5), Lomonosov's Moscow State University, 1940, p. 56-62.

A study was made of the magnetic anisotropy of Ni wire and its causes. The interrelationship of natural magnetic anisotropy and of anisotropy induced by external forces was determined. Data are charted. 20 ref.

GRABOVSKIY, M. A.

IA 43/49180

USSR/Minerals
Magnetite
Sedimentology

Mar/Apr 49

"Variation of the Magnetic Properties of Magnetite Under Mechanical Pressure," M. A. Grabovskiy, 71 pp

"Iz Ak Nauk SSSR, Ser Geog i Geofiz" No 2

Variation of magnetic properties of ferromagnetics under mechanical pressure was first observed by Villari in the past century. Much experimental work has been devoted to this study since then. Magnetic properties of various ferromagnetics were studied under influence of stretching, compression, etc. Assumes that magnetization of magnetite and, consequently, outer magnetic field around them, will vary, if rocks, i. e., magnets, are subject to deformations as a result of seismic fluctuations and tectonic displacements. Present aim is to clarify the extent of influence of similar deformations on magnetic properties of magnetic rock samples from "Vysokaya Gora." Experiments showed that magnetic force of the magnet decreases with increase in pressure. Gives three diagrams of experimental results and three illustrations of mechanical pressure system. Submitted 20 May 48.

43/49180

GRABOVSKIY, M. A.

"Magnetostriction of Natural and Artificial Magnetites," Izvestiya Akademii Nauk SSSR, Seriya Geograficheskaya, i Geofizicheskaya, Vol. 14, No. 6, pp 530-542, 1950.

GRABOVSKIY, M. A.

PA 187128

USSR/Geophysics - Ferromagnetism, Jul/Aug 51
Semiconductors

"Variation of Electric Resistance of Magnetite
During Magnetization," M. A. Grabovskiy, Geophys
Inst, Acad Sci USSR

"Iz Ak Nauk SSSR, Ser Geofiz" No 4, pp 61-70

Shows experimentally that magnetite is complex
substance in relation to electricity. Its con-
ductivity has the character of semiconductor and
its resistance decreases during magnetization.
Latter effect is analyzed in relation to ferro-
magnetism. Author was assisted by advice of Prof

187128

USSR/Geophysics - Ferromagnetism, Jul/Aug 51
Semiconductors
(Contd)

Ye. I. Kondorskij and in the measurements by
S. V. Trofimov, Lab Asst. Submitted 20 Mar 51.

187128

PA 187131

USSR/Geophysics - Bibliography

(Seismology)

Jul/Aug 51

incomplete

"Criticism and Bibliography," M. A. Grabovskiy

"Iz Ak Nauk SSSR, Ser Geofiz" No 4, pp 118, 119

Reviews 13 books: T. N. Rose, "Magnetic Properties of Some Rocks at Various Temperatures," 1949; M. L. Antokolskiy, "Problem of Accuracy of Interpretation in Methods of Reflected Waves," 1950; Kupelov and I. K. Yaropolk, "Multiple Reflected Waves"; V. I. Gayskiy, "Determination of Thickness of Terrestrial Core in the Region of Observing Station by Seismographs of Remote Earthquakes"; N. I. Pzyzyrev, "Determining the Elements That Characterize Beds of Reflecting Boundaries for Variable Velocity Along the Vertical," 1950; D. D. Barkan, "Forced Oscillations of Oscillating Sphere in Hard Elastic Medium," 1950; G. I. Marchuk, K. I. Ogurtsov, "Lamb's Problem in Case of Half Space," 1950; O. Ya. Shekhter, "Investigating the Propagation of Surface Waves in a 2-Phase Medium," 1950; O. Ya. Shekhter, "Investigating the Propagation of Waves of Lyav's Type in a 2-Phase Medium," 1950; V. S. Voznytskiy, "Fast Filters for Seismographs," 1950; S. F. Bolshikh, "Problem of Seismic Sounding,"

1950; A. I. Khrumov, "Seismic Survey in Saratov Volga Region," 1950; O. Z. Lyandres, "Laboratory Investigations of Elastic Properties of Soil," 1950.

187131

GRABOVSKIY, M. A.

PA 193T39

USSR/Geophysics - Geoelectricity

Sep/Oct 51

"Review of A. M. Alekseyev's Article, 'Anomalous Geoelectric Phenomena,' in Prikladnaya Geofizika, No 6, 1950," by M. A. Grabovskiy

"Iz Ak Nauk, Ser Geofiz" No 5, p 93

Author of article discusses nonlinear dependence of terrestrial current intensity on electrode voltage; difference in cond in various directions; various seismoelec effects. Author assumes double elec layer on surface separating 2 types of ore.

193T39

GRABOVSKIY, M. A.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 371 - I

BOOK

Call No.: AF579436

Author: GRABOVSKIY, M. A.

Full Title: DEMONSTRATIONS OF LECTURES IN PHYSICS. ISSUE 7
VIBRATIONS AND WAVES

Transliterated Title: Lektsionnyye demonstratsii po fizike. Vypusk 7
Kolebaniya i volny

Publishing Data

Originating Agency: None

Publishing House: State Publishing House of Technical and
Theoretical Literature

Date: 1952

No. pp.: 232

No. of copies: 15,000

Editorial Staff

Editor: Mlodzeyevskiy, A. B.

Tech. Ed.: None

Editor-in-Chief: None

Appraiser: None

Text Data

Coverage: The text describes a large number (117) of physical experiments with 140 diagrams and pictures of the apparatus used in the physical laboratory of Moscow State University for illustrating the lectures in the course in physics of mechanical vibrations, waves and sound. The experiments in the text are grouped in 16 sections.

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Lektsionnyye demonstratsii po fizike. Vypusk 7
Kolebaniya i volny

AID 371 - I

While apparently nothing new or not known is covered by the text, of certain interest is the detailed description of E. V. Bogoslovskiy's apparatus. This device demonstrates the regularity and interference of capillary surface waves in a liquid of small viscosity (acetone) and the effect of changing depths on the waves, etc. Of interest are also the references to the books of A. V. Shubnikov Piezoelectric Structure (1946) and of V. A. Krasil'nikov Sound Waves (1951), and to L. Polevoy's article on piezovibrators ("Radio", No. 1, 1947).

Purpose: The book is dedicated to teachers and assistants in the physical university laboratories and may be of use for teachers in schools.

Facilities: Moscow State University

No. of Russian and Slavic References: 18 in footnotes and 7 in bibliography

Available: A.I.D., Library of Congress.

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